Application No. 09/416,192

AMENDMENTS TO THE CLAIMS

A detailed listing of all claims that are, or were, in the present application, irrespective of whether the claim(s) remains under examination in the application are presented below. The claims are presented in ascending order and each includes one status identifier. Those claims not cancelled or withdrawn but amended by the current amendment utilize the following notations for amendment: 1. deleted matter is shown by strikethrough for six or more characters and double brackets for five or less characters; and 2. added matter is shown by underlining.

1.-10. (Canceled)

11.   (Previously Presented) A treatment control system comprising:

a)   a first computer;

b)   a communication system allowing communication between the first computer and another computer; and

c)   an analysis interaction algorithm performed by the first computer, wherein the analysis interaction algorithm automatically evaluates and updates a patient's treatment protocol.

12.   (Previously Presented) The system of claim 11 wherein the analysis interaction protocol accesses a database of standardized orthopedic treatment protocols and patient outcomes and performs comparisons of potential outcomes for a patient to be treated.

13.   (Original) The system of claim 12 and wherein the database includes medical literature, historic   data   on   previous   patients,   and   updated   data   from   current   patients.

3

14.   (Previously Presented) The system of claim 11 wherein the analysis interaction algorithm performs real time intervention.

15.   (Previously Presented) The system of claim 11 wherein the communications system is selected from the group consisting of: communications between two servers; communications between two central computers; wireless communications between two microprocessors; communications between a microprocessor and a central computer; and Internet communications.

16.   (Original) The system of claim 11 and wherein the communications is real time communications and the communications is via telephone lines (POTS).

17.   (Original) The system of claim 11 and wherein the communications is real time communications and the communications is via Internet.

18-24. (Canceled)

25.   (Previously Presented) The system of claim 11 wherein the first computer is an ambulatory computer.

26.   (Previously Presented) The system of claim 25 wherein the ambulatory computer is operably connected to a personal orthopedic restraining device adapted for attachment to a patient.

27.   (Previously Presented) The system of claim 26 wherein the personal orthopedic restraining device includes sensors for monitoring patient exercise activity.

4

28.   (Previously Presented) The system of claim 27 wherein the sensors measure stress.

29.   (Previously Presented) The system of claim 11 wherein the first computer is a central computer.

30.   (Previously Presented) The system of claim 29 wherein the communication system provides for communication between the central computer and an ambulatory computer.

31.   (Previously Presented) The system of claim 11 wherein the automated update by the analysis interaction protocol comprises an increase or decrease of goals in prescribed exercise protocols based on a patient's response to past exercise protocol goals.

32.   (Previously Presented) The system of claim 11 wherein the automated evaluation performed by the analysis interaction algorithm comprises:

        a)   providing a treatment protocol; and

        b)   comparing a patient's exercise performance with prescribed goals.

33.   (Previously Presented) The system of claim 32 wherein the automated evaluation performed by the analysis interaction algorithm further comprises:

        c)   comparing a patient's exercise performance with a benchmark; and

        d)   comparing a patient's exercise performance with historic norms.

34.   (Previously Presented) The system of claim 11 wherein the analysis interaction algorithm provides an automated warning to treatment professionals of incidents of significance.

5

35. (Previously Presented) The system of claim 11 wherein the treatment protocol administers biological manipulation of a patient.

36. (Previously Presented) The system of claim 35 wherein the biological manipulation is selected from the group consisting of:

    chemical manipulation;

    CNS stimulation of peripherally acting hormones (secretogogue);

    parenterally administered peripherally acting hormones;

    locally administered locally acting hormones;

    locally administered drugs; and

    orally administered drugs.

37. (Previously Presented) The system of claim 35 wherein the biological manipulation is selected from the group consisting of:

    biophysical stimulation;

    heat;

    vibration;

    ultrasound;

    electrical current, electromagnetic waves, and;

    light.

6